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NOTICE OF ALLOWANCE AND FEE(S) DUE

90678

7590

10/19/2009

Commissariat a l'Energie Atomique/BHGL P.O. Box 10395 Chicago, IL 60610 EXAMINER

ANGADI, MAKI A

ART UNIT PAPER NUMBER

1792 DATE MAILED: 10/19/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/539.875	03/24/2006	Corinne Perret	9905/29	6339

TITLE OF INVENTION: NANO-IMPRINT LITHOGRAPHY METHOD INVOLVING SUBSTRATE PRESSING

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/19/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
Ommissariat a P.O. Box 10395 Chicago, IL 606	a l'Energie Atomio	/2009 que/B	HGL		I her State addre trans	eby certify that this s Postal Service w	is Fee(e of Mailing or Transn s) Transmittal is being ficient postage for first ISSUE FEE address a 1) 273-2885, on the da	nission deposited with the United class mail in an envelope above, or being facsimile te indicated below.
									(Depositor's name)
									(Signature)
	_								(Date)
APPLICATION NO.	FILING DATE			FIRST NAMED INVENT		FOR ATT		RNEY DOCKET NO.	CONFIRMATION NO.
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nonprovisional	NO		\$1510	\$300		\$0		\$1810	01/19/2010
EXAM	INER		ART UNIT	CLASS-SUBCLASS	:				
ANGADI,	MAKI A		1792	216-041000					
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Unl	ND RESIDENCE DATA less an assignee is ident h in 37 CFR 3.11. Comp	" Indica ied. Use A TO Bl ified be	tion form of a Customer E PRINTED ON Tolow, no assignee	data will appear on t	ip to rnative single or ag attor Il be por type he pa	3 registered patenelly, firm (having as a gent) and the nameneys or agents. If parinted. e) tent. If an assignessignment.	membes of upno name	er a 2p to se is 3dentified below, the do	cument has been filed for
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a. Applicant claim	s SMALL ENTITY state	ıs. See 3	37 CFR 1.27.		-	_		ΓΙΤΥ status. See 37 CF	
NOTE: The Issue Fee an interest as shown by the i	d Publication Fee (if req records of the United Sta	uired) w tes Pate	vill not be accepted ont and Trademark	l from anyone other th Office.	nan th	e applicant; a regi	stered a	attorney or agent; or the	e assignee or other party in
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90678 75	590 10/19/2009		EXAM	INER	
Commissariat a I	Energie Atomique/E	ANGADI, MAKI A			
P.O. Box 10395			ART UNIT	PAPER NUMBER	
Chicago, IL 60610	1		1792		
			DATE MAILED: 10/19/2009		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 201 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 201 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)			
	10/539,875	PERRET ET AL.	 PERRET ET AI		
Notice of Allowability	Examiner	Art Unit			
	MAKI A. ANGADI	1792			
The MAILING DATE of this communication app. All claims being allowable, PROSECUTION ON THE MERITS I herewith (or previously mailed), a Notice of Allowance (PTOL-8 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3	pears on the cover sheet wi S (OR REMAINS) CLOSED in 5) or other appropriate commi RIGHTS. This application is s	th the correspondence address n this application. If not included unication will be mailed in due cours	se. THIS		
1. This communication is responsive to <u>10/7/2009</u> .					
2. ☑ The allowed claim(s) is/are <u>1 and 3-12</u> .					
3. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents ha 2. Certified copies of the priority documents ha 3. Copies of the certified copies of the priority on the priority of t	ve been received. ve been received in Application documents have been received. E" of this communication to file IMENT of this application. emitted. Note the attached EX/ ives reason(s) why the oath or cust be submitted. erson's Patent Drawing Review. er's Amendment / Comment of	on No Id in this national stage application for a reply complying with the requirer AMINER'S AMENDMENT or NOTICE declaration is deficient. In the Office action of	ments CE OF		
each sheet. Replacement sheet(s) should be labeled as such in 6. DEPOSIT OF and/or INFORMATION about the department attached Examiner's comment regarding REQUIREMEN	n the header according to 37 CF posit of BIOLOGICAL MAT	R 1.121(d). ERIAL must be submitted. Note t			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material /Maki A Angadi/ Examiner, Art Unit 1792	6. Interview S Paper No 7. Examiner's	formal Patent Application ummary (PTO-413), 'Mail Date Amendment/Comment Statement of Reasons for Allowand	ce		

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10/7/2009 has been entered.

Allowable Subject Matter

- 2. Claims 1, 3-12 are allowed.
- 3. The following is an examiner's statement of reasons for allowance:

With respect to claim 1, the closest prior art of Chou (US Patent No. 5,772,905) fails to disclose or render obvious a lithographic method comprising the pressing of substrate that includes the steps of: "performing the etching of the composite layer by removing the internal sub-layer in regions defined by recesses formed in the external sub-layer until portion of a surface of the substrate have been exposed and etching portion of the substrate exposed by the recesses" as defined in the applicants' independent amended claim 1.

With respect to claim 11, the closest prior art of Sun et al. J.of Vac.Sci. & Technol. Vol.16, (1998), pp 3922-3925 fails to disclose or render obvious a lithographic method that includes the steps of: "forming a first layer comprising a curable material in contact with a surface of a substrate and forming a second layer comprising a deformable material on the first layer; pressing a

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mold against the second layer, wherein protrusions of the mold form recesses in the second layer that expose portions of the first layer and etching the surface regions of the substrate" as defined in the applicants independent and amended

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claim 11.

- 4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
- 5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MAKI A. ANGADI whose telephone number is (571)272-8213. The examiner can normally be reached on 8 AM to 4.30 PM.
- 6. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine G. Norton can be reached on 571-272-1465. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
- 7. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-

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free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Maki A Angadi/ Examiner, Art Unit 1792

/Binh X Tran/ Primary Examiner, Art Unit 1792